

ABSTRACT

A control apparatus for a vehicular drive system, including uphill-drive-force control means and constructed to reduce a degree of uneasiness to be given to the vehicle operator during an uphill-road running of a vehicle. The uphill-drive-force control means is arranged to increase a vehicle drive force during the uphill-road running of the vehicle at a given required vehicle output as compared with a vehicle drive force during a level-road running of the vehicle at substantially the same required vehicle output, for obtaining substantially the same value of acceleration of the vehicle during the uphill-road running as that during the level-road running.

Delay control means (131) is provided for delaying initiation of an uphill-drive-force control by the uphill-drive-force control means (130), until first period determining means (130) has determined that a time period $T_{\alpha 1}$ during which acceleration difference G' between reference acceleration G_b and actual acceleration G_s of the vehicle is larger than predetermined uphill-roadway determining threshold α had exceeded a predetermined first time period $T1$, so that the vehicle drive force F is not increased for the predetermined first period $T1$ after the moment of initiation of the uphill-road running which requires the uphill-drive-force control by the uphill-drive-force control means 130, whereby immediately after initiation of the uphill-road running, the vehicle operator can feel a decrease of the vehicle acceleration G as expected upon initiation of the uphill-road running, so that the vehicle operator is less likely to feel uneasy during the uphill-road running.